

SYSTEM AND METHOD FOR DETECTION OF INTRUSION ATTACKS ON PACKETS TRANSMITTED ON A NETWORK

ABSTRACT OF THE DISCLOSURE

An intrusion detection system detects and takes appropriate action against intrusion attacks on packets transmitted on a network. Various conditions for the intrusion attacks are described in the form of a rule tree. The intrusion detection system employs a pipelined structure including a plurality of modules, and parts of the rule tree are assigned to the modules. The modules determine in a pipelined manner whether the conditions of an intrusion attack are satisfied. If an intrusion attack on the packet is detected, the intrusion detection system takes appropriate action against the determined intrusion attack.